

Basic principles

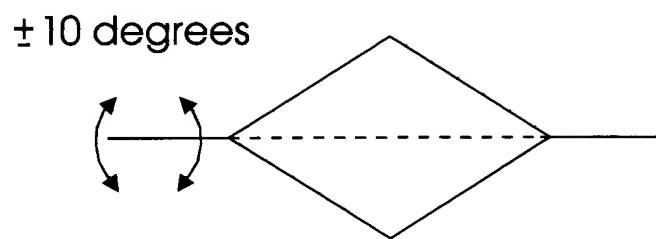


Fig. 1

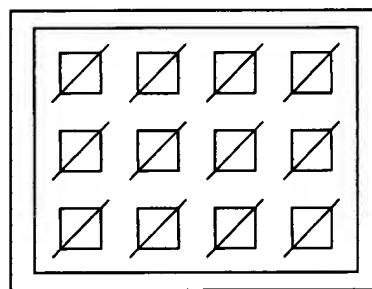


Fig. 2

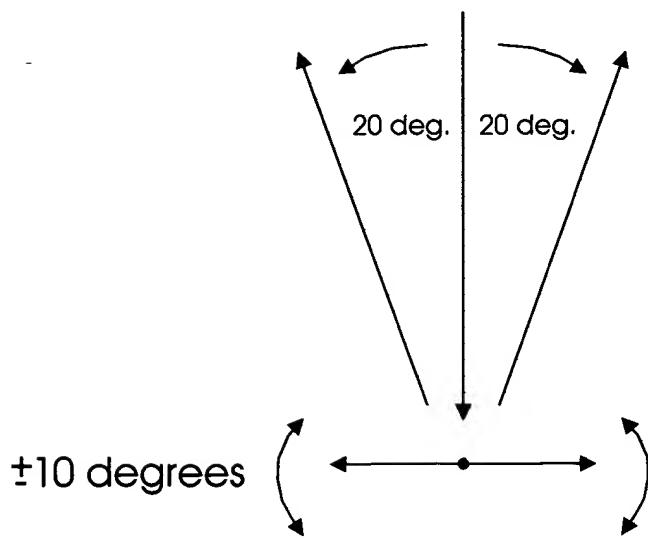


Fig. 3

Basic principles

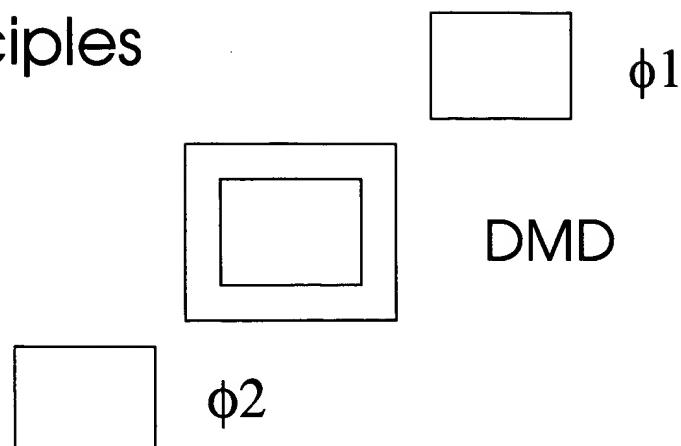


Fig. 4

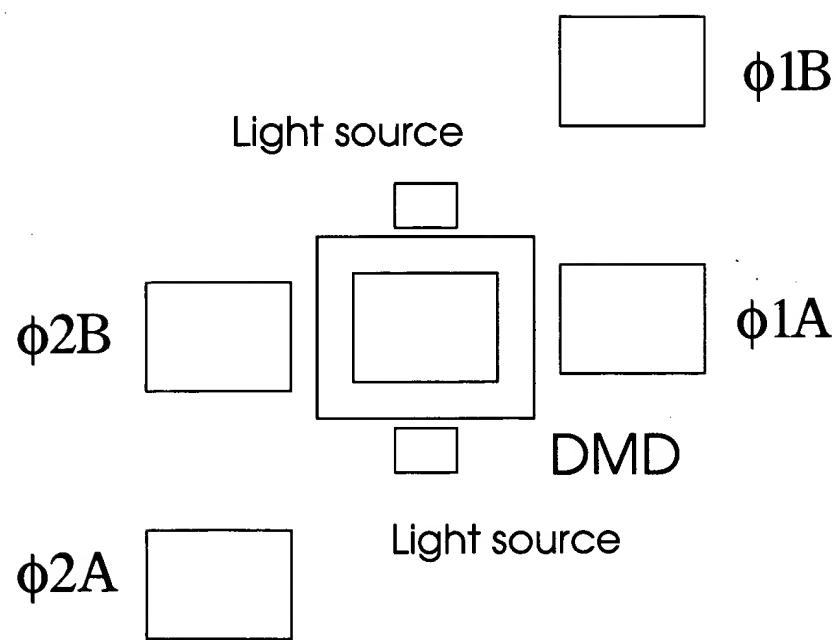


Fig. 5

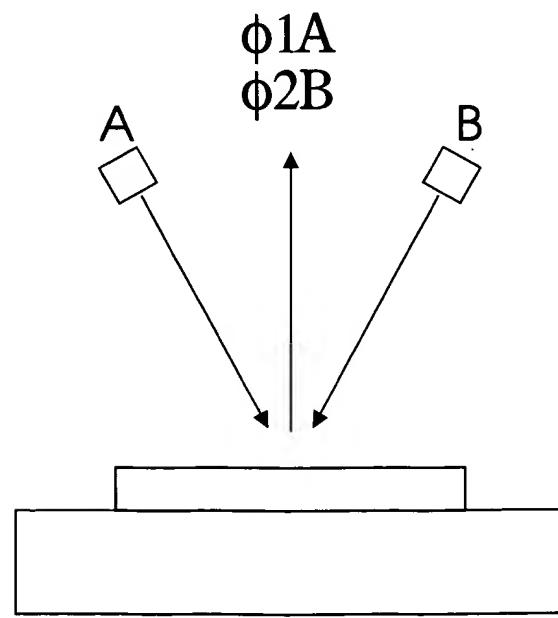


Fig. 6

Mirror HMD - Single Stage

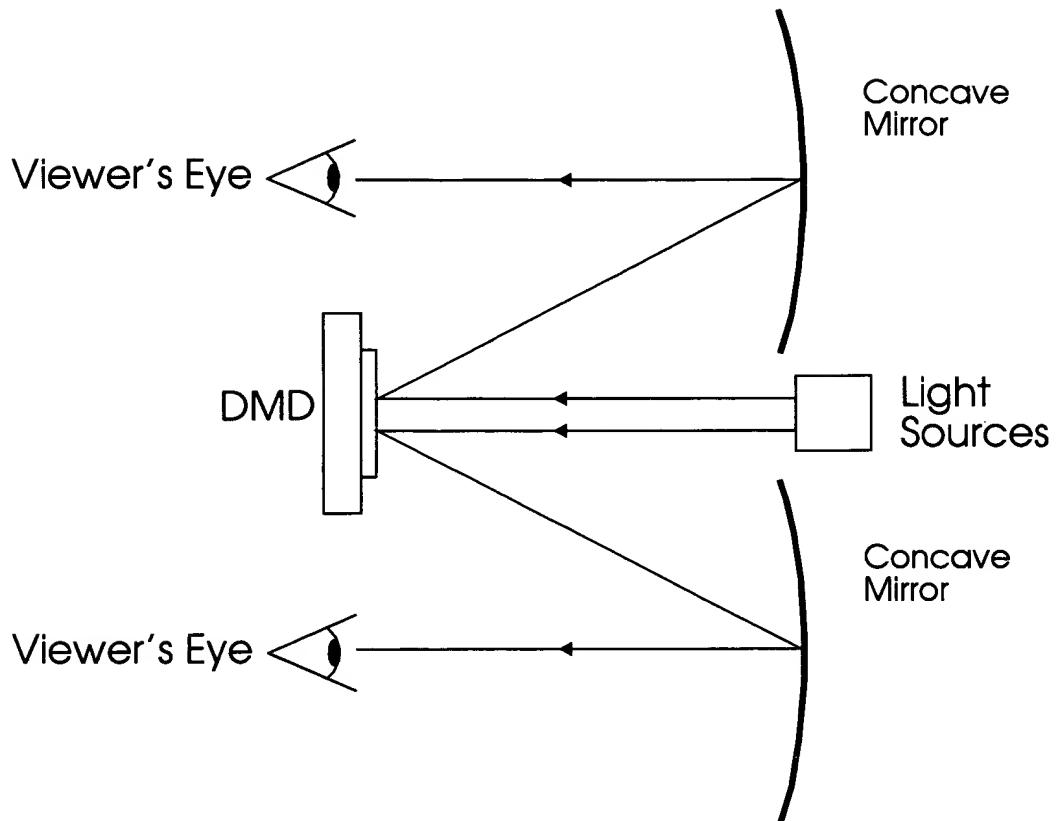


Fig. 7

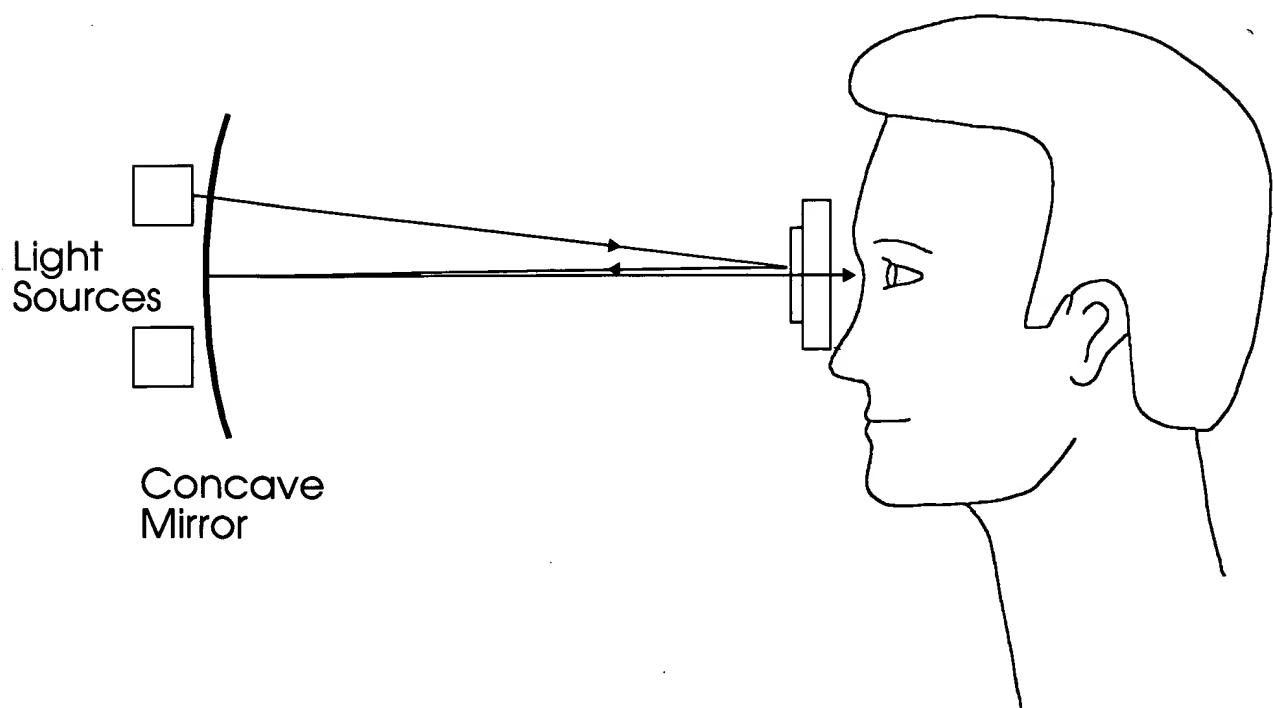


Fig. 8

Mirror HMD - Two Stage

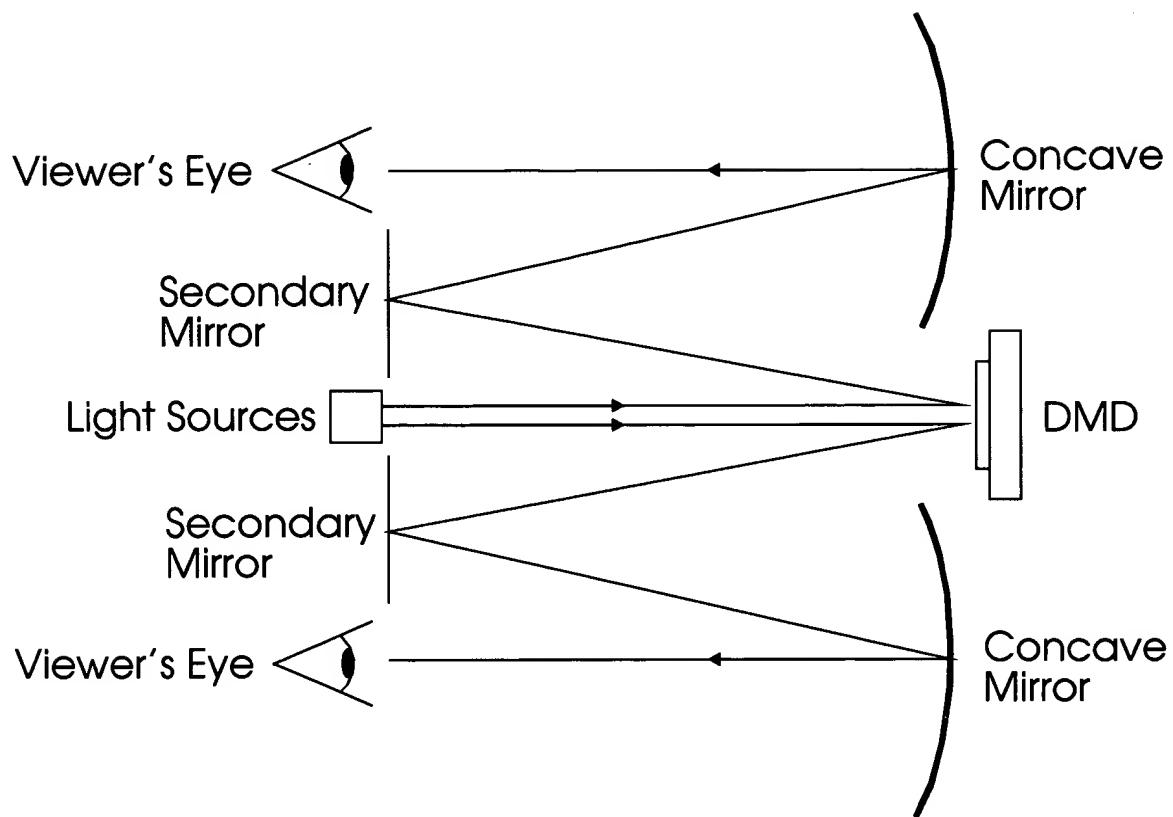


Fig. 9

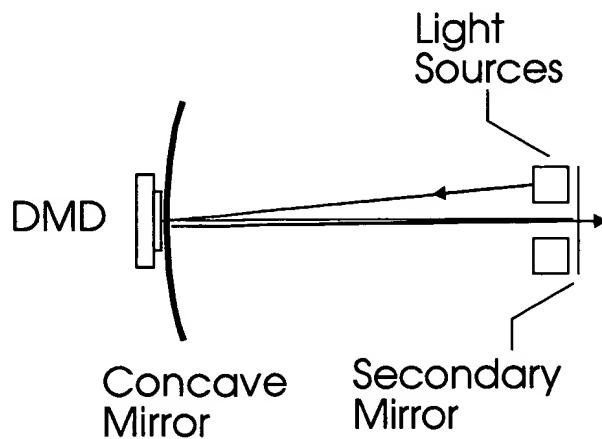


Fig. 10

Enhancements

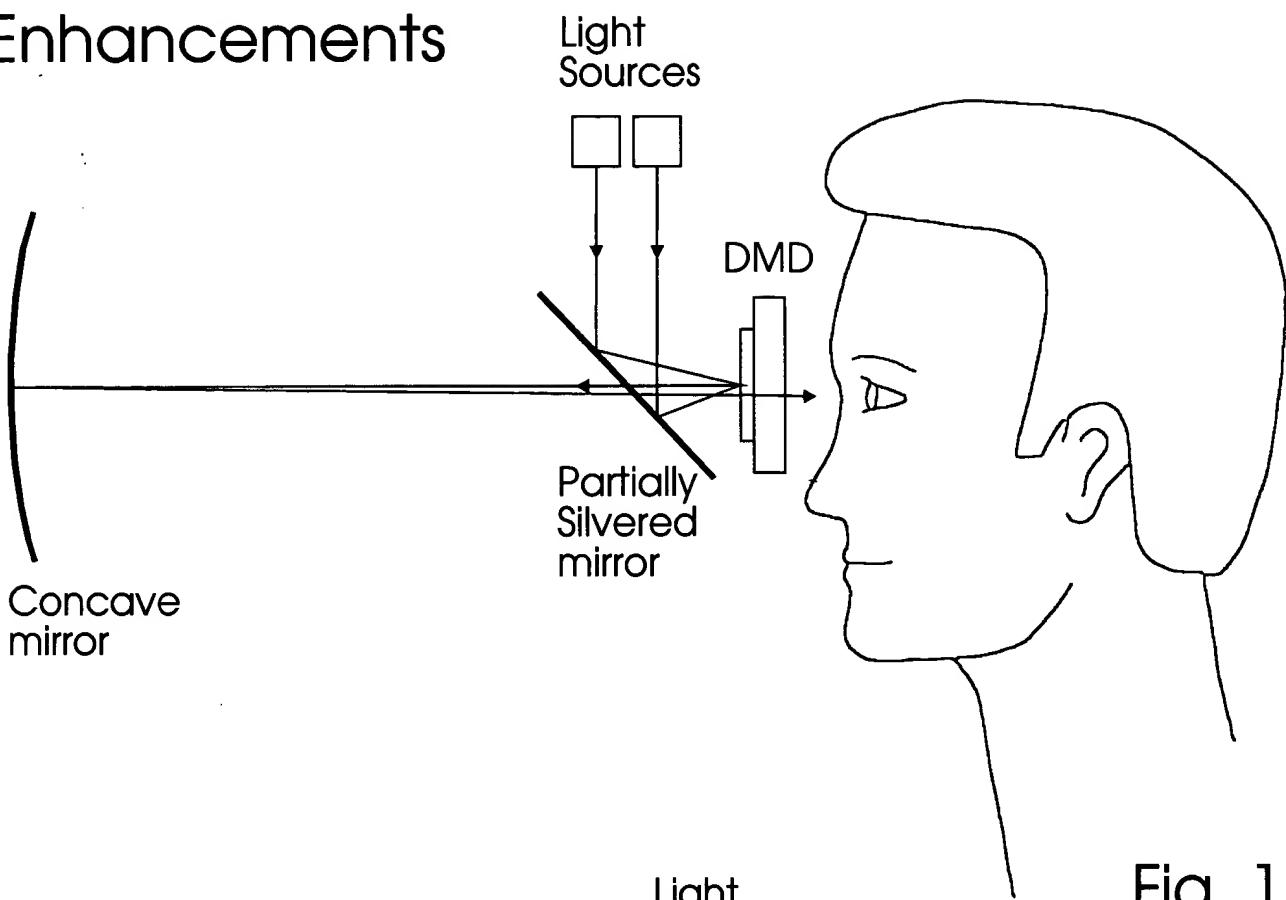


Fig. 11

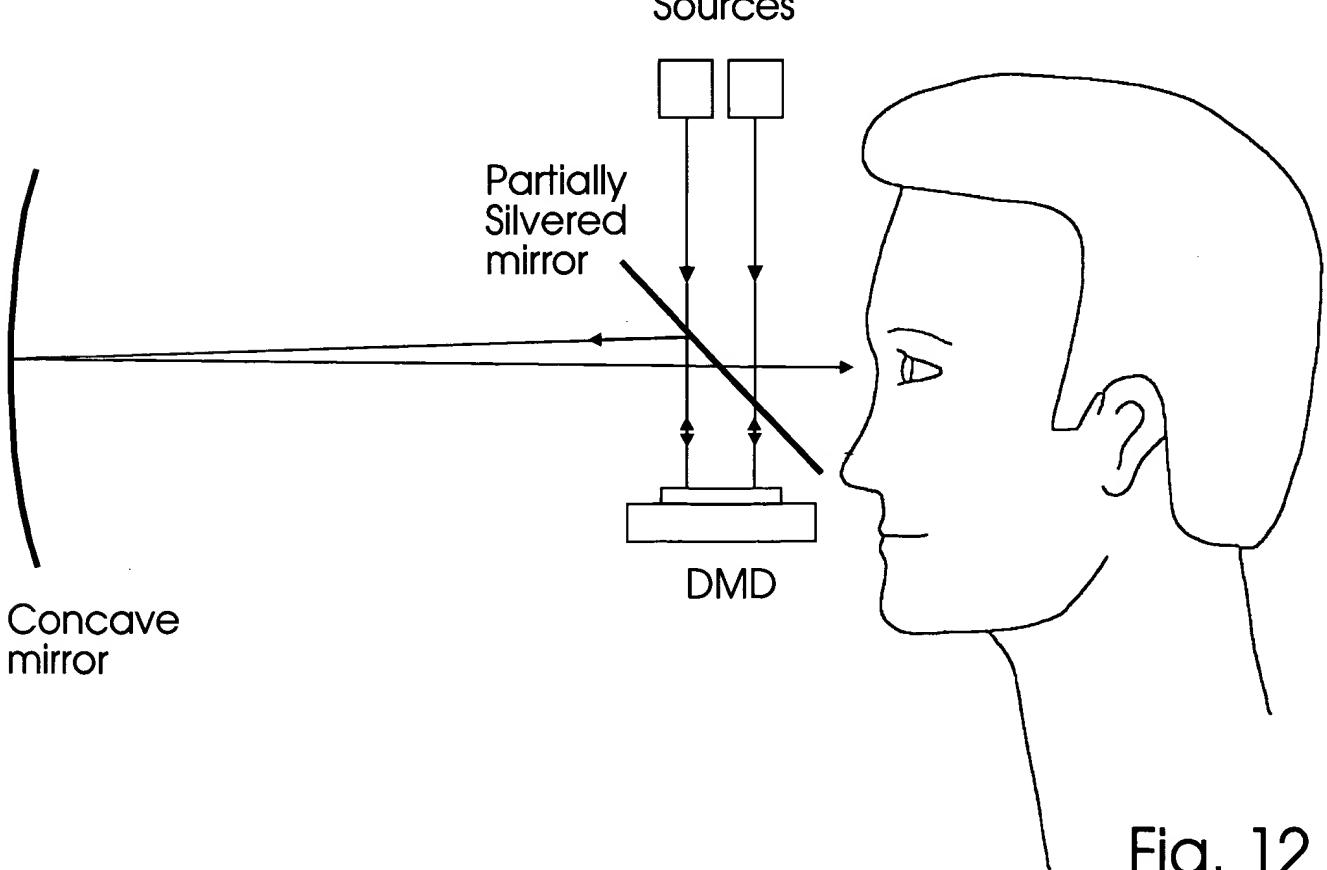


Fig. 12

Enhancements

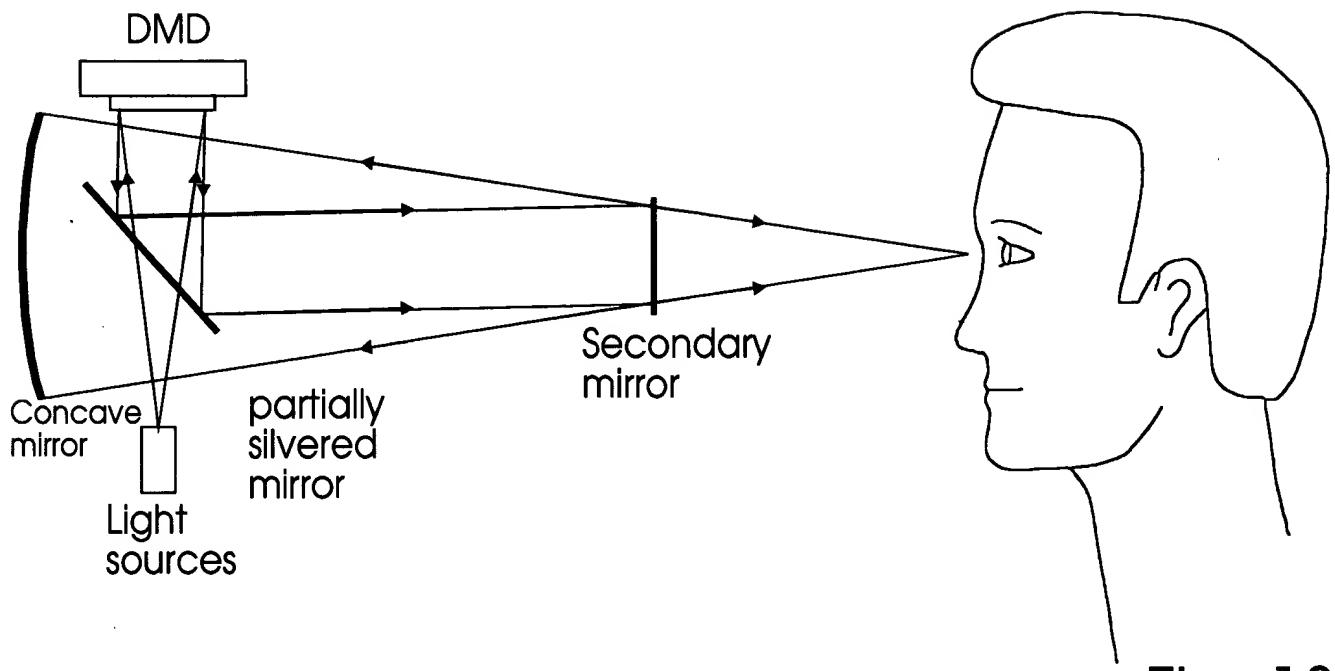


Fig. 13

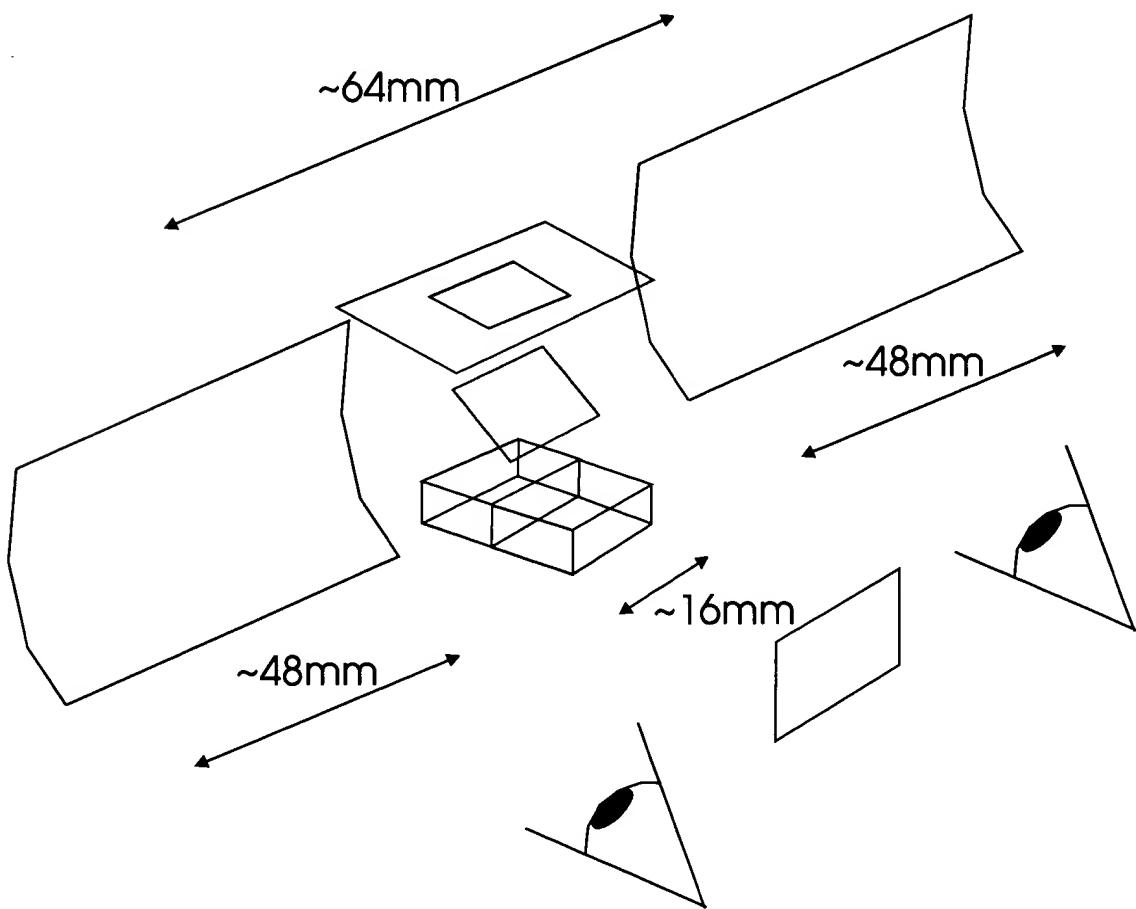


Fig. 14

Dual DMD lens system

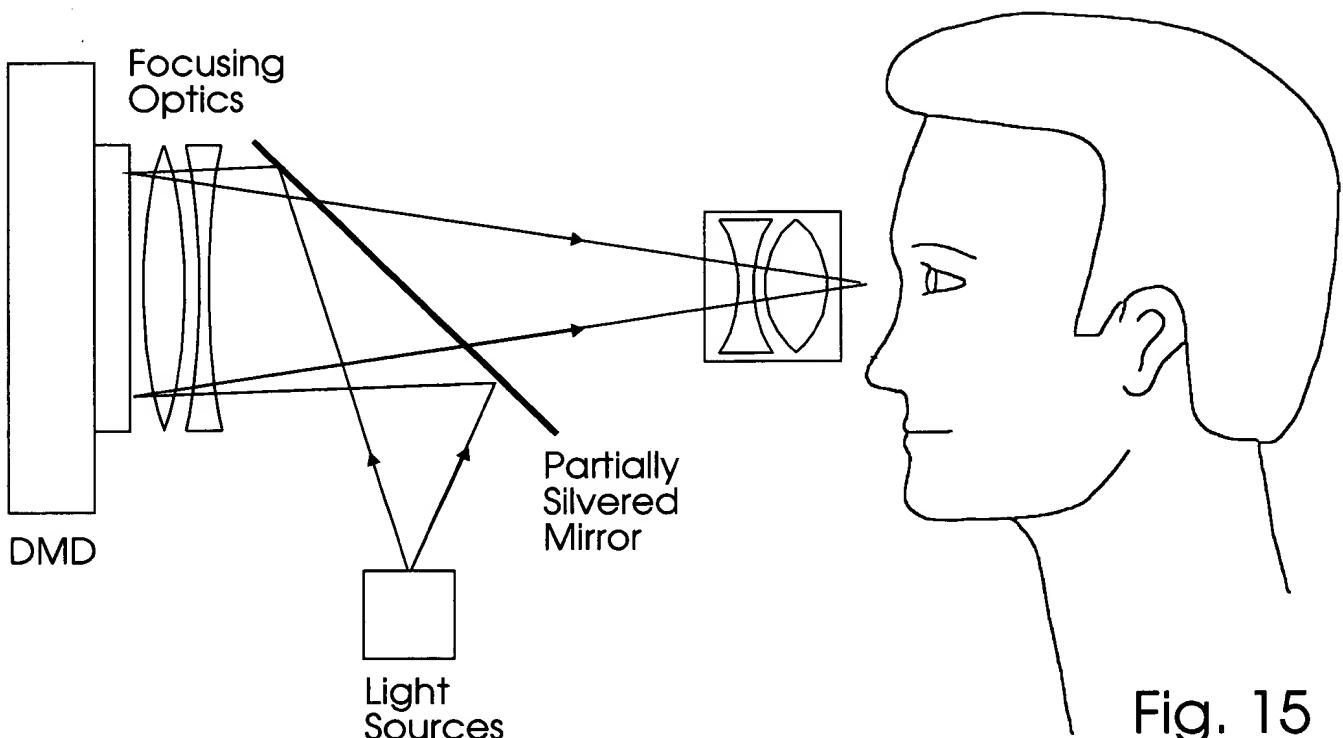


Fig. 15

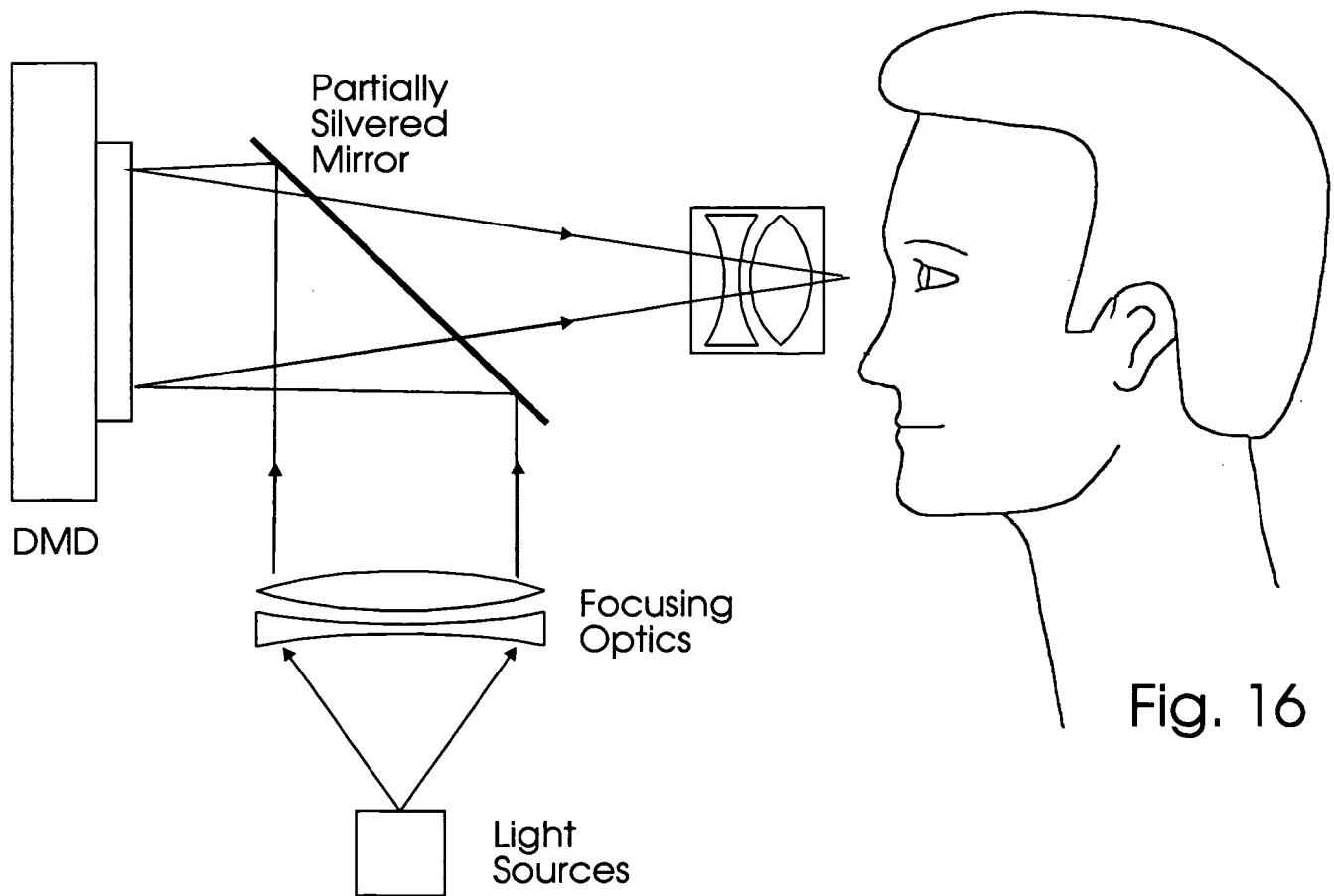


Fig. 16

2 stage dual mirror hybrid HMD

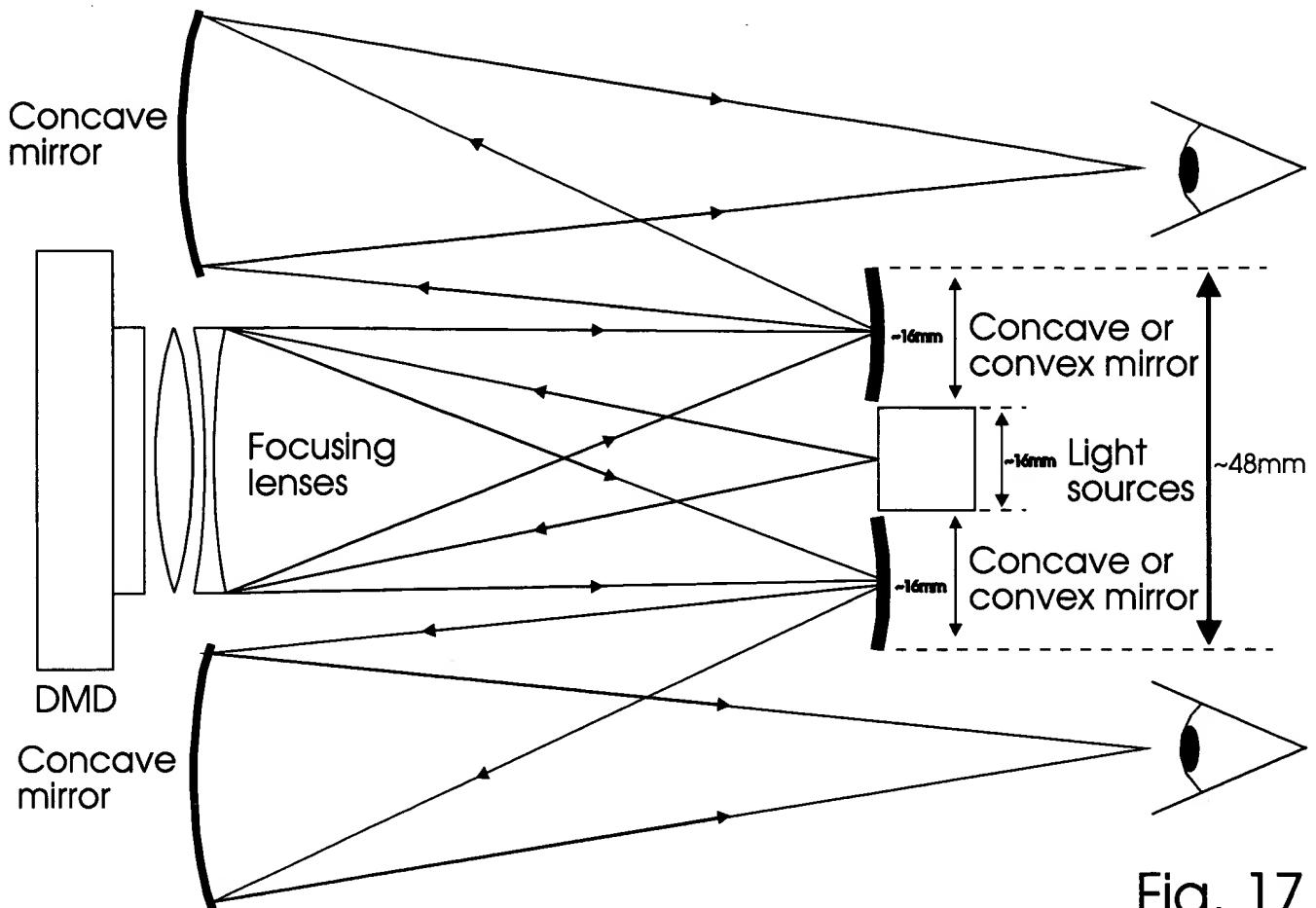


Fig. 17

Single DMD lens HMD

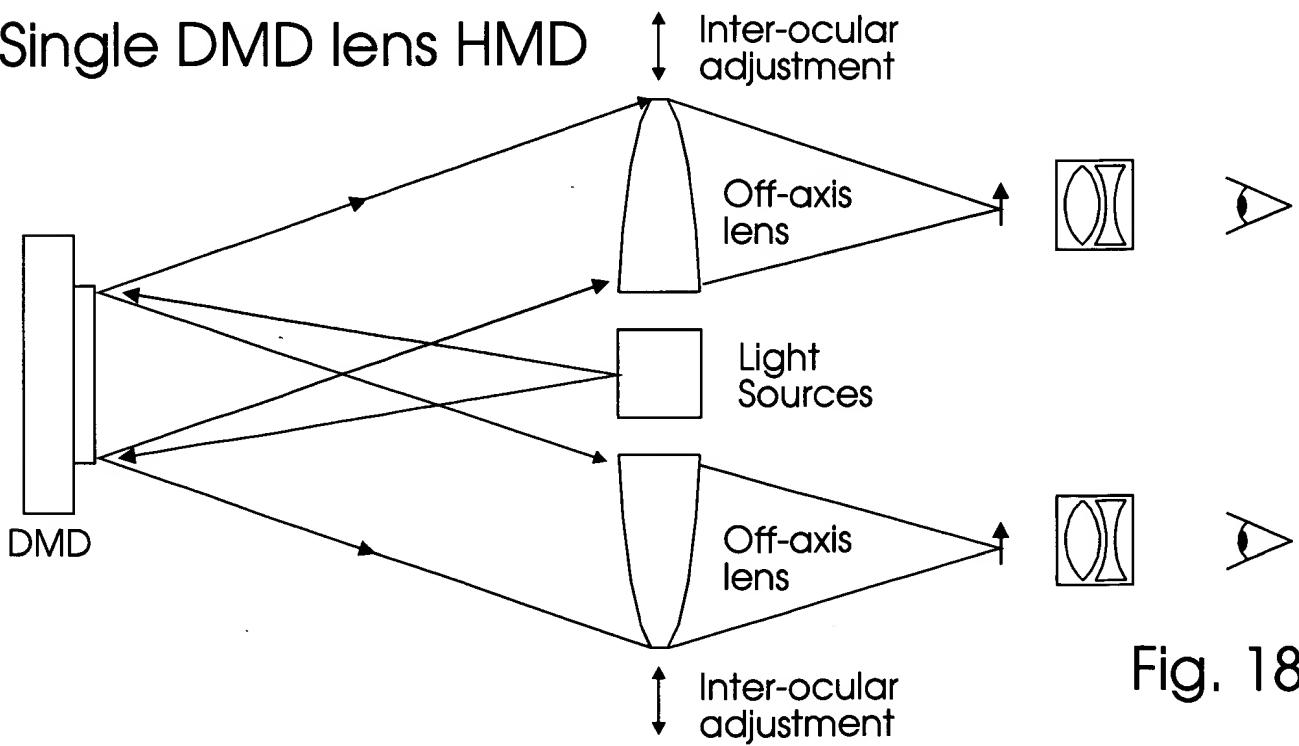


Fig. 18

Prismatic lens design

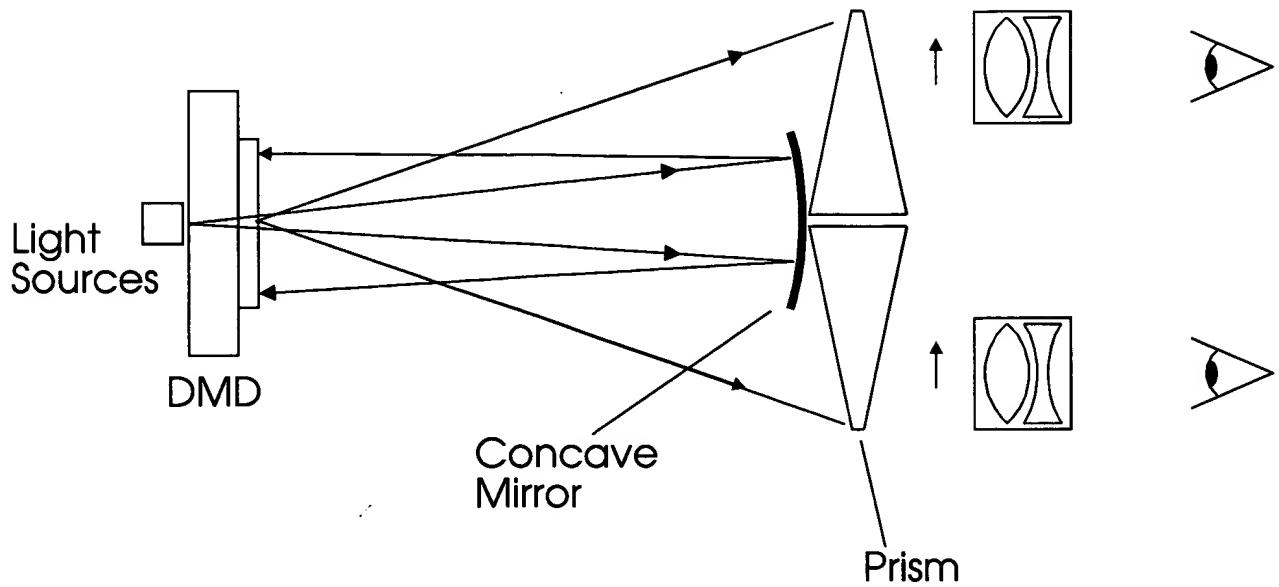


Fig. 19

Binocular lens design

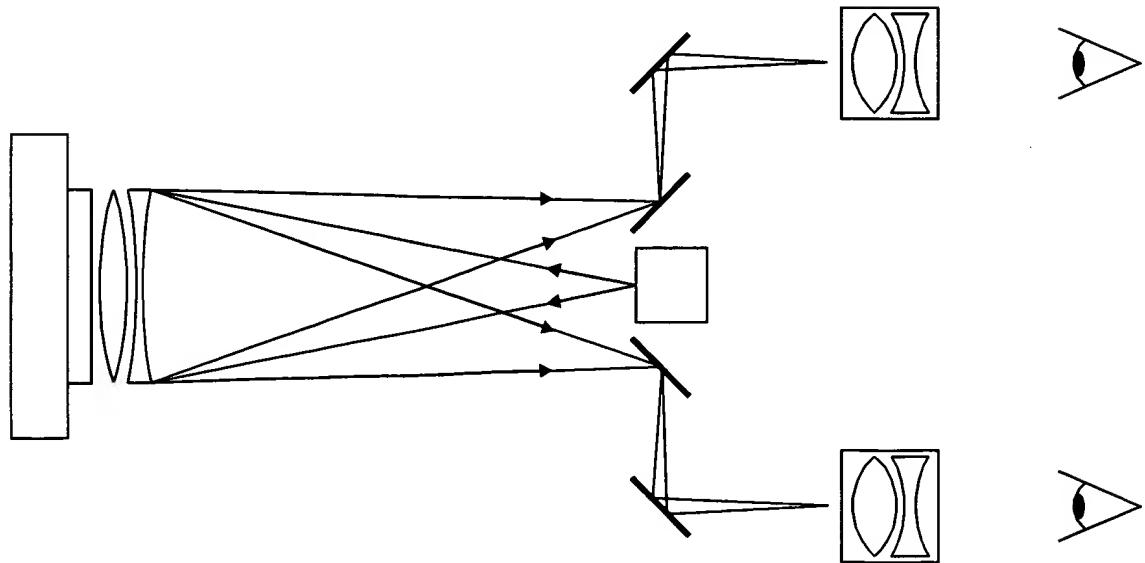


Fig. 20

Single stage hybrid lens system

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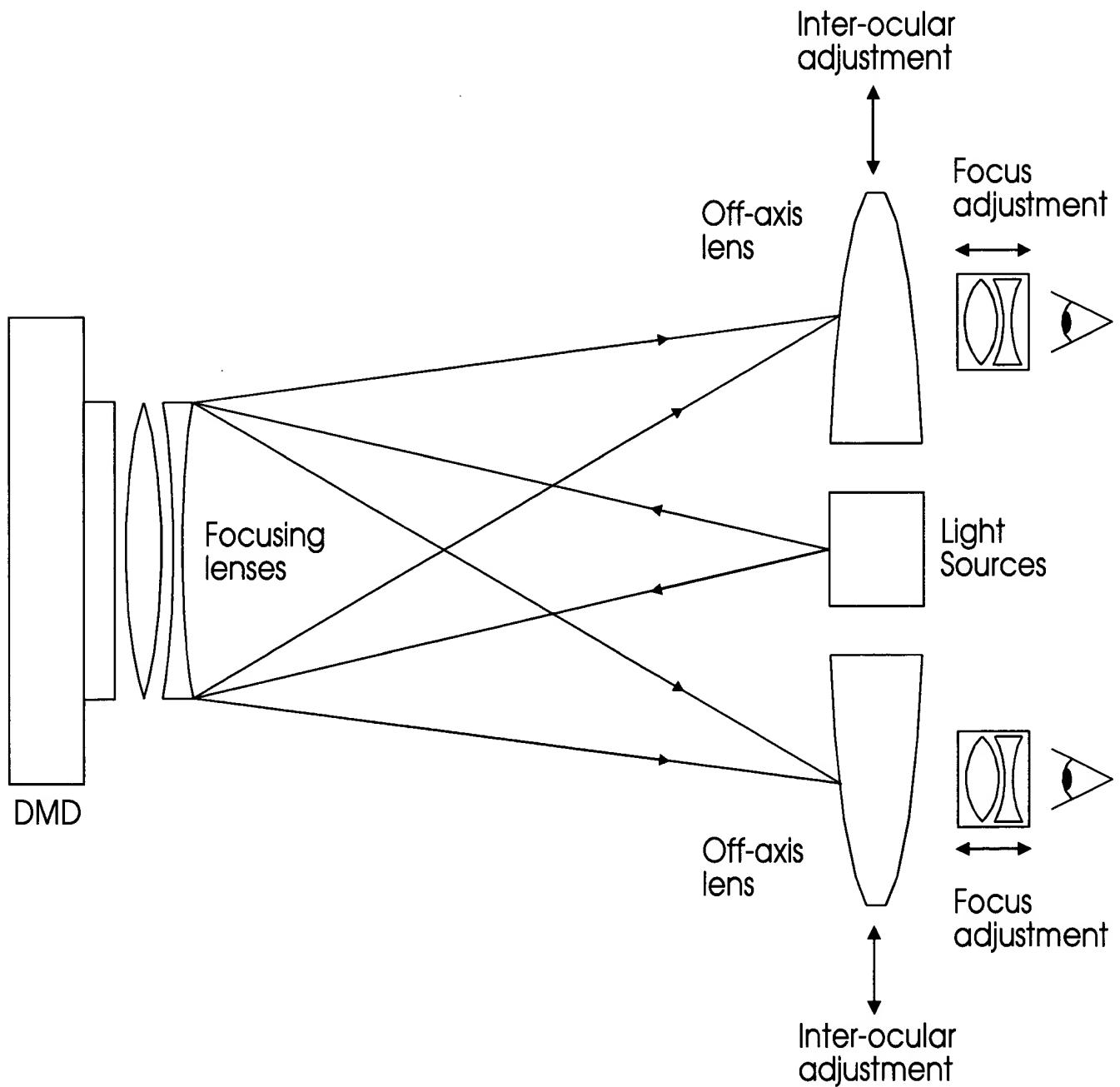


Fig. 21

2 stage hybrid lens system (preferred embodiment)

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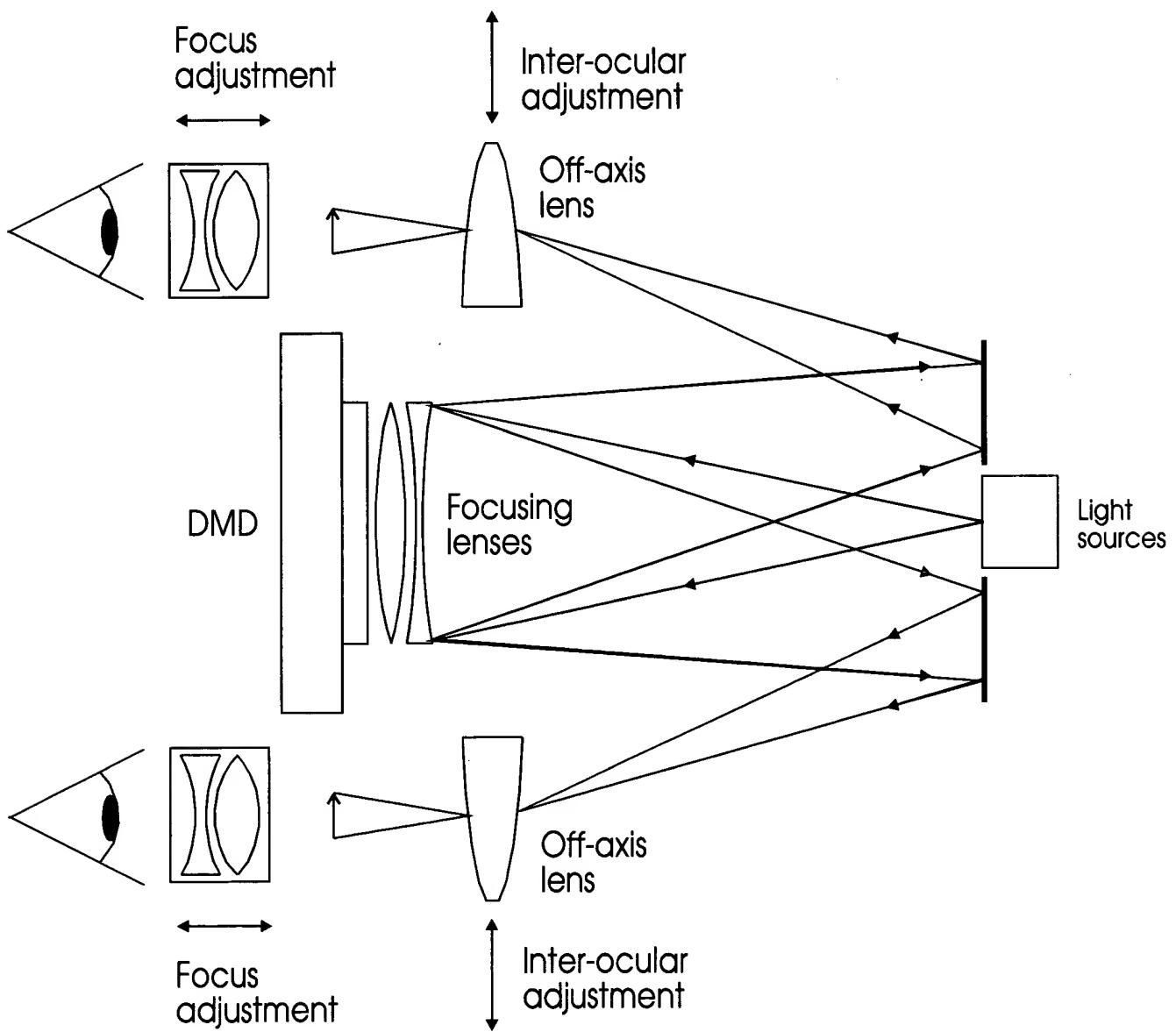


Fig. 22

Lens HMD enhancements

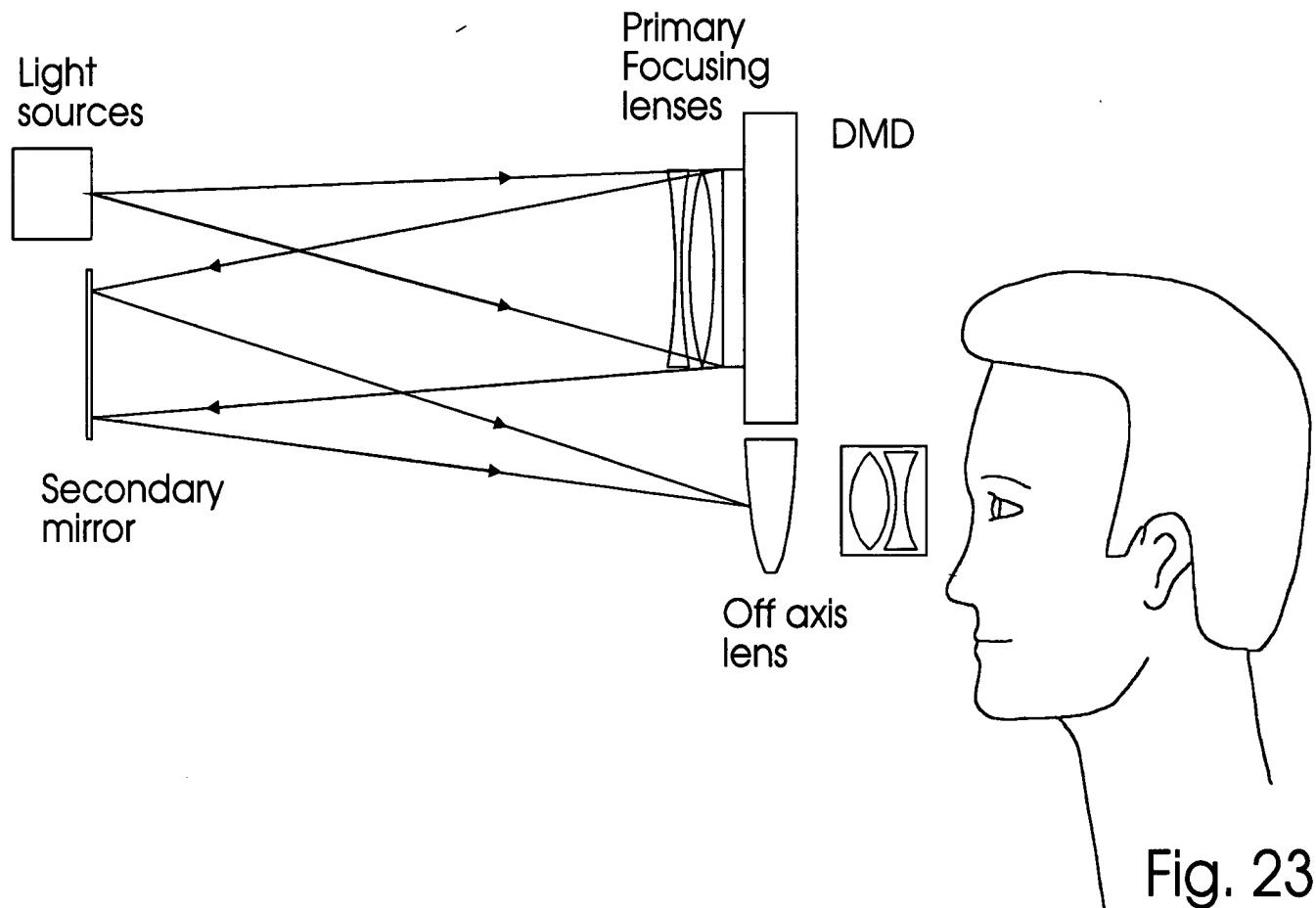


Fig. 23

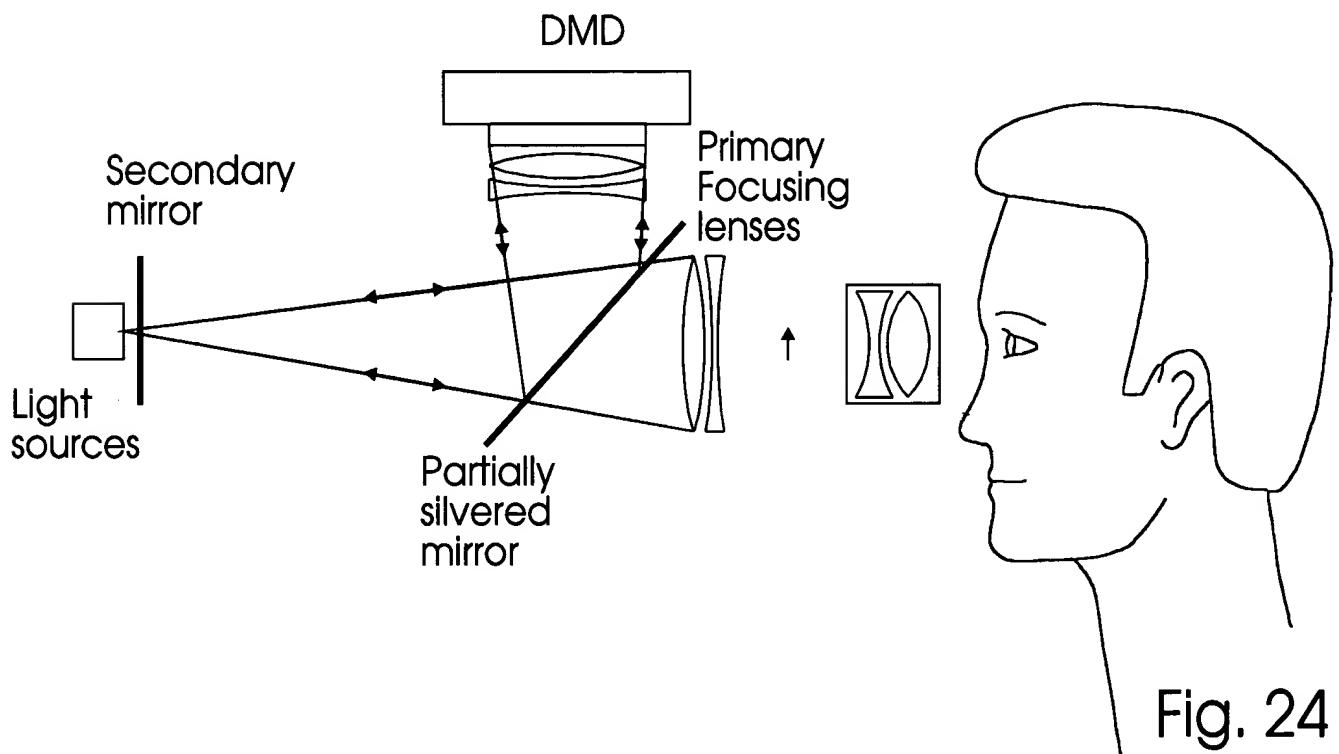


Fig. 24

Light sources

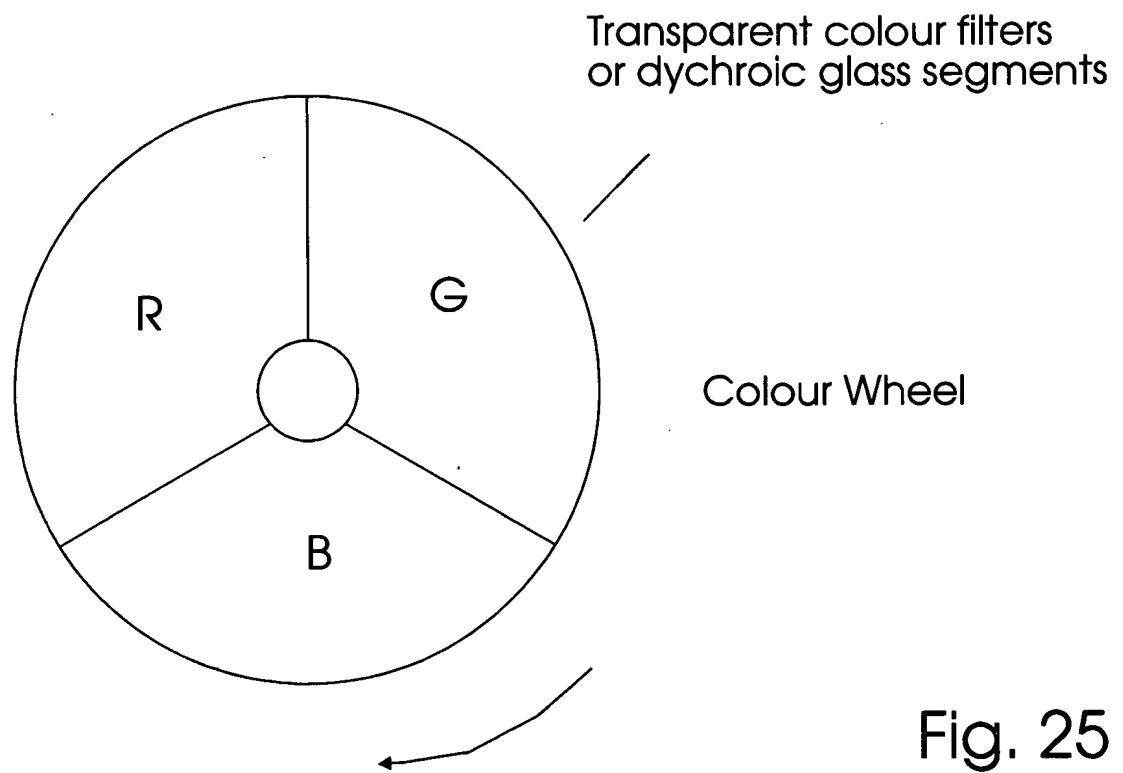


Fig. 25

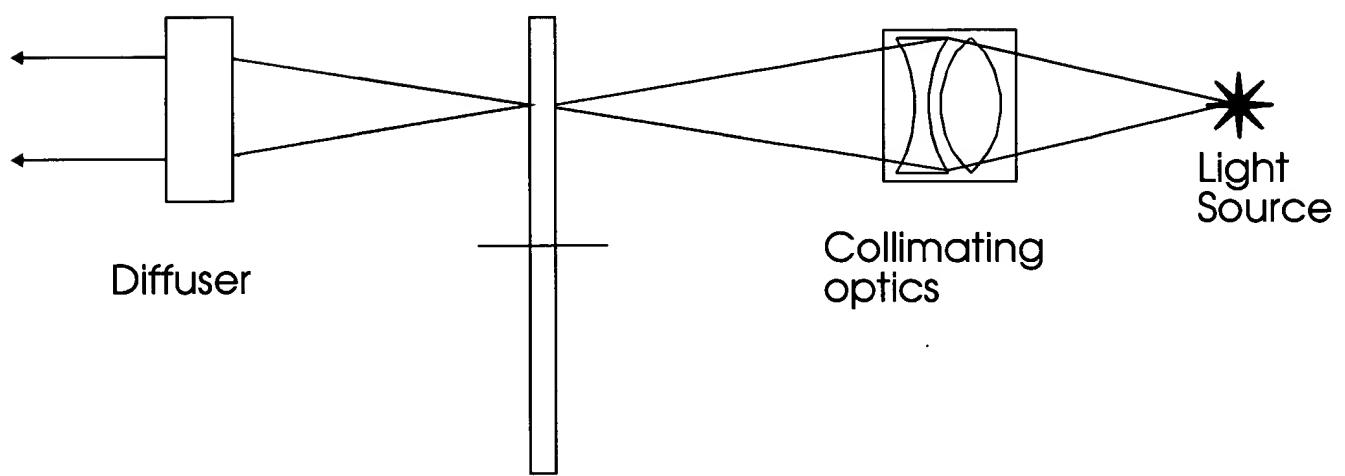


Fig. 26

Light sources

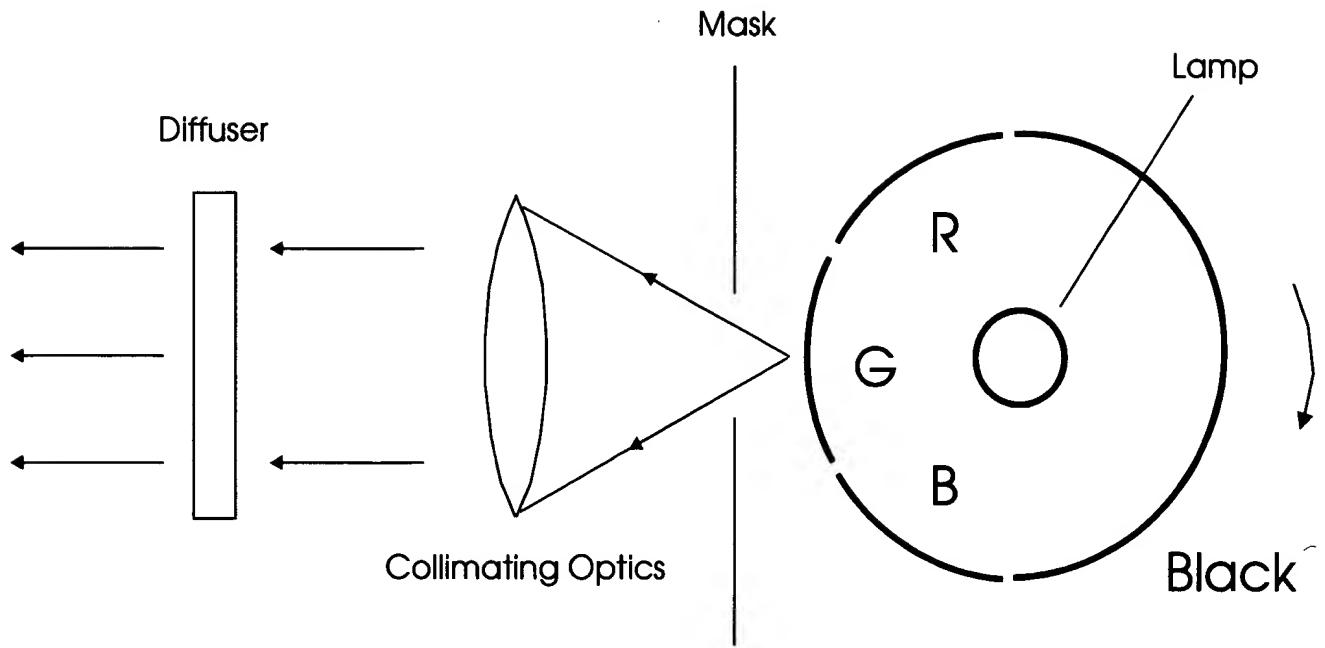


Fig. 27

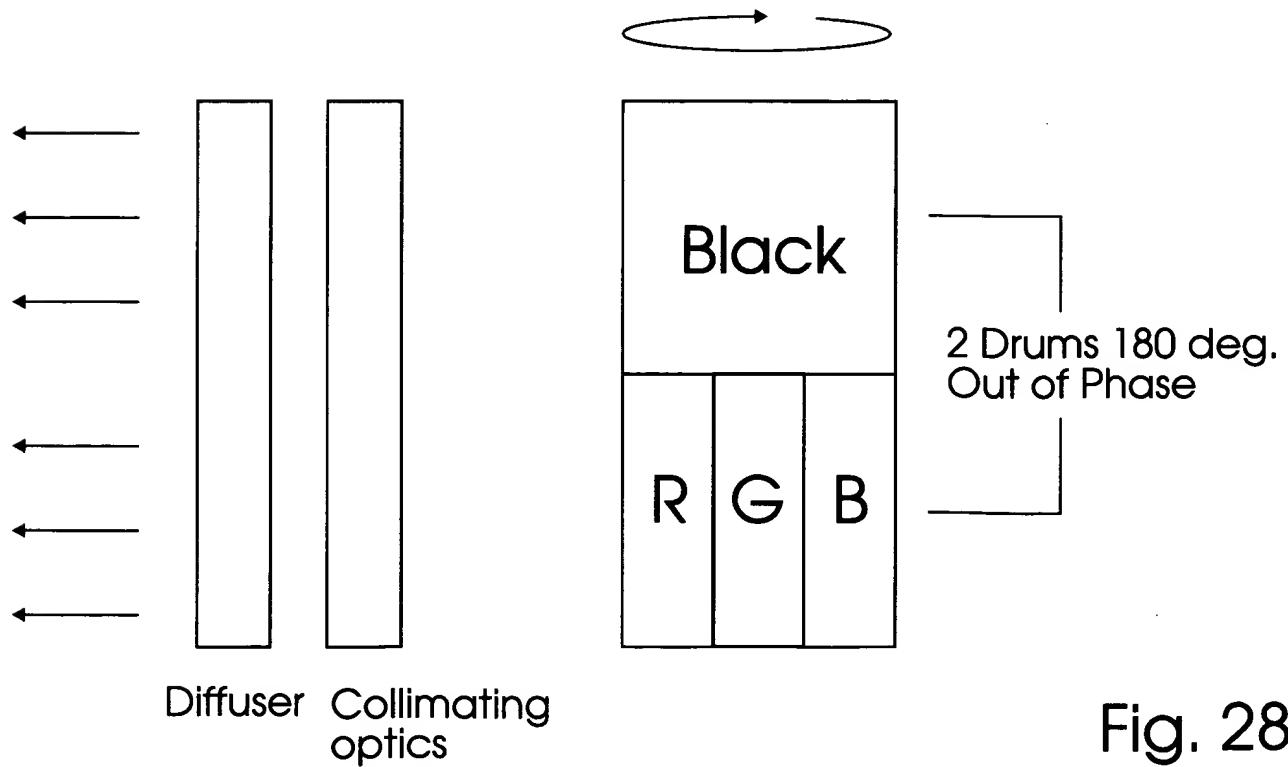


Fig. 28

Light sources

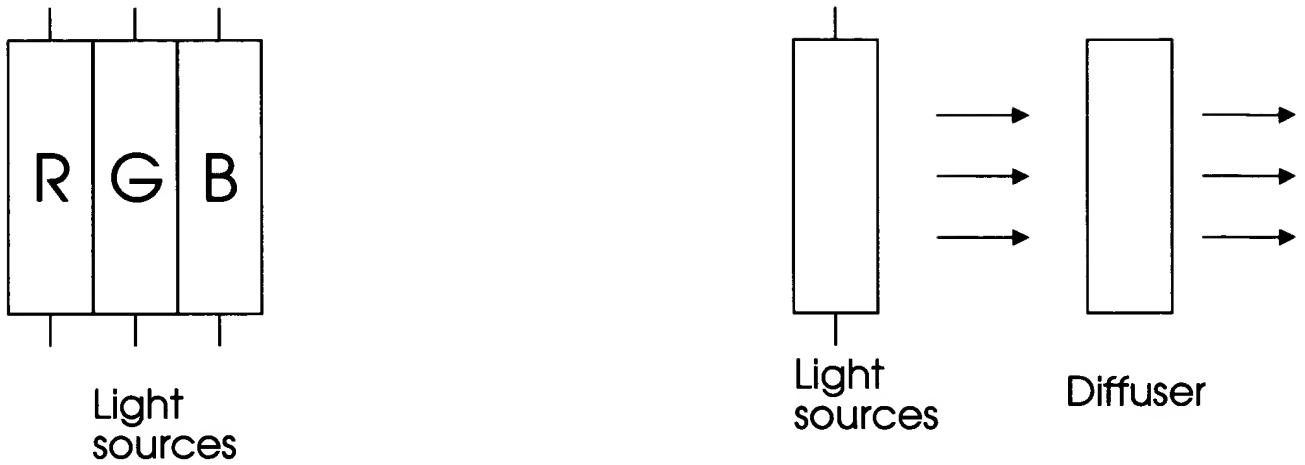


Fig. 29

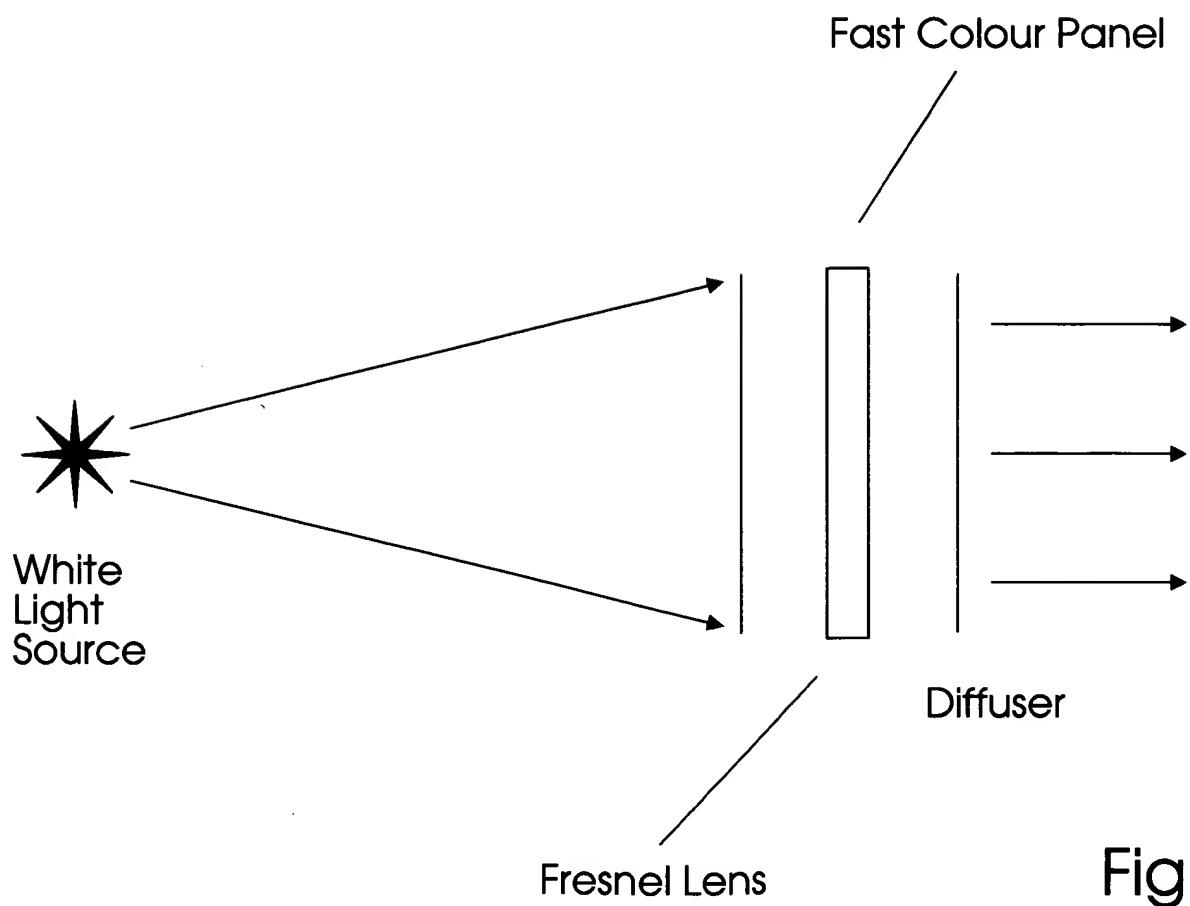


Fig. 30

Light sources

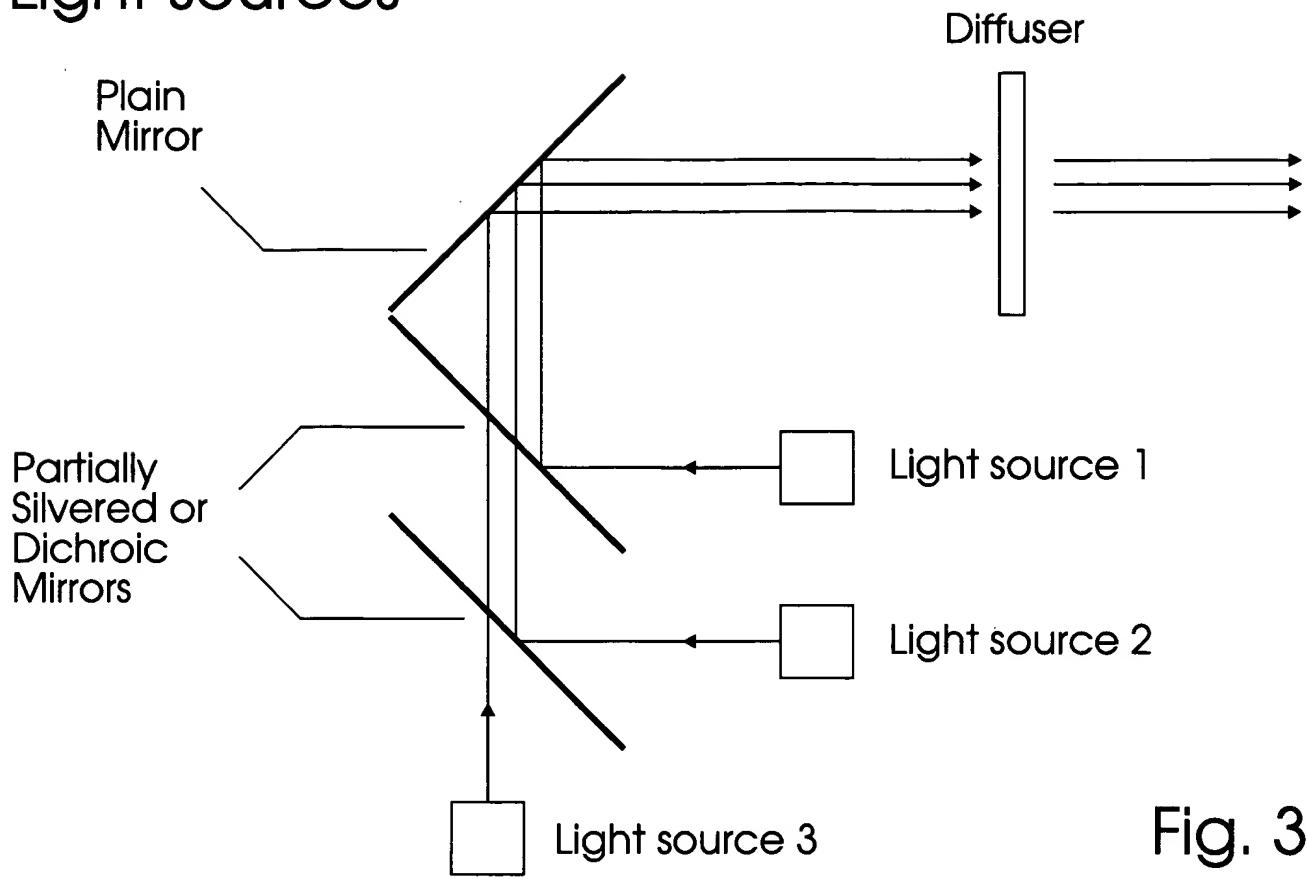


Fig. 31

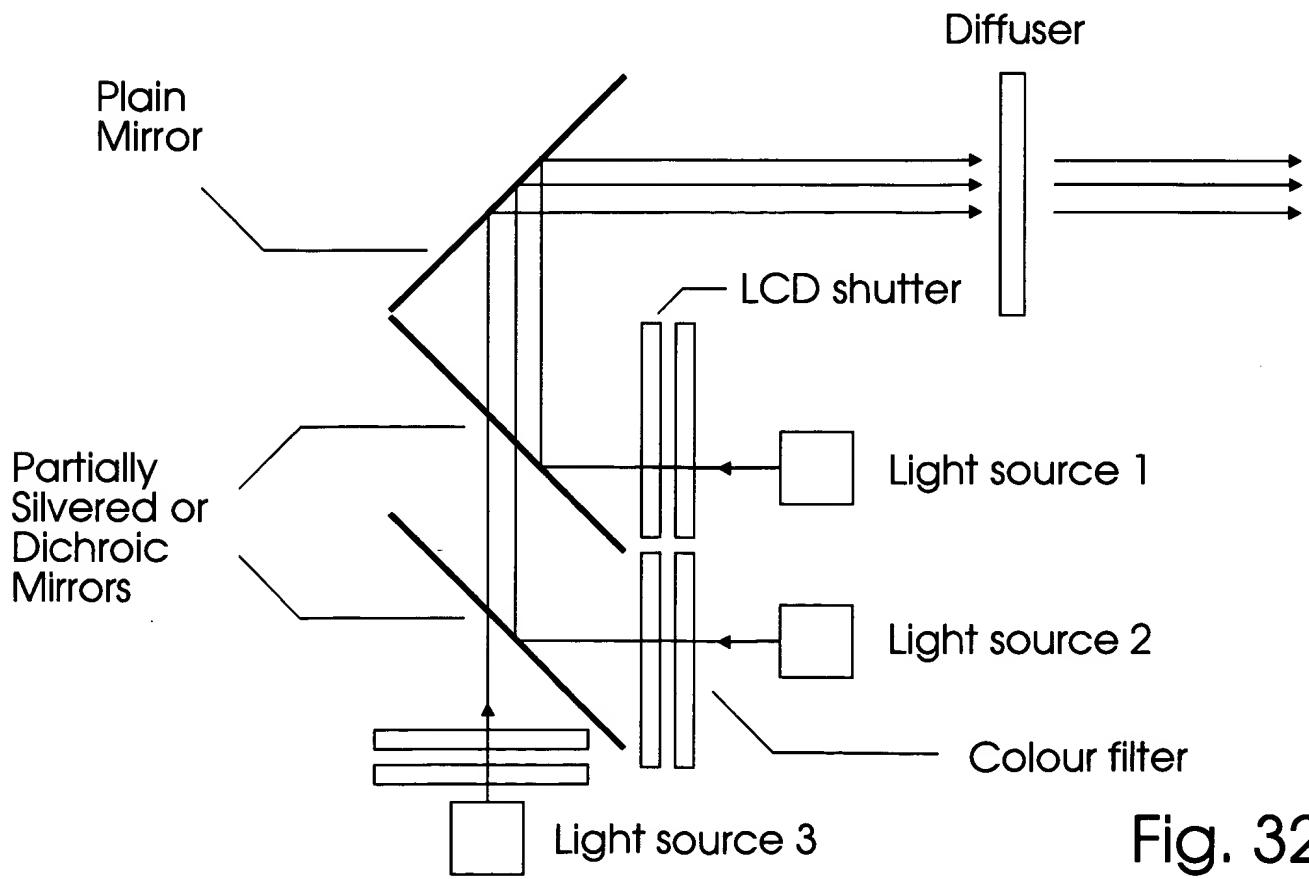


Fig. 32

Light Sources

LED Array-1 (Monochrome LEDs)

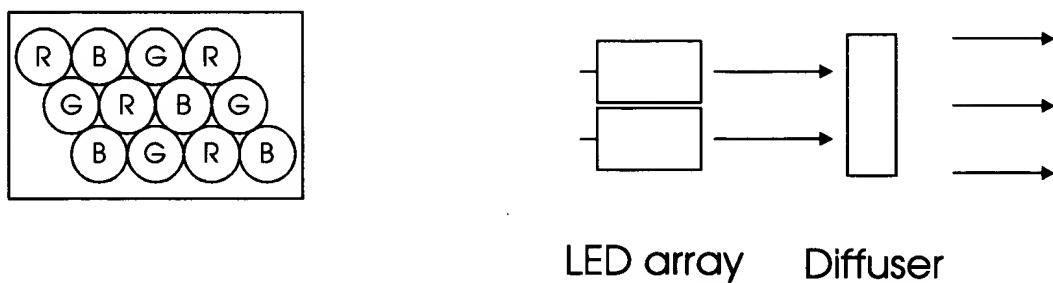


Fig. 33

LED Array - 2 (Full Spectrum LEDs)

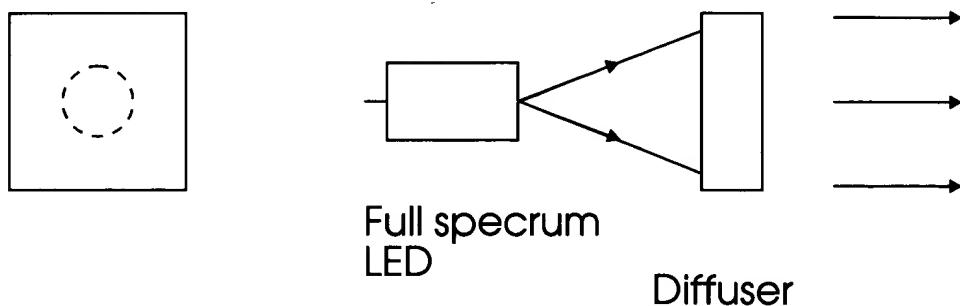


Fig. 34

Optical enhancements

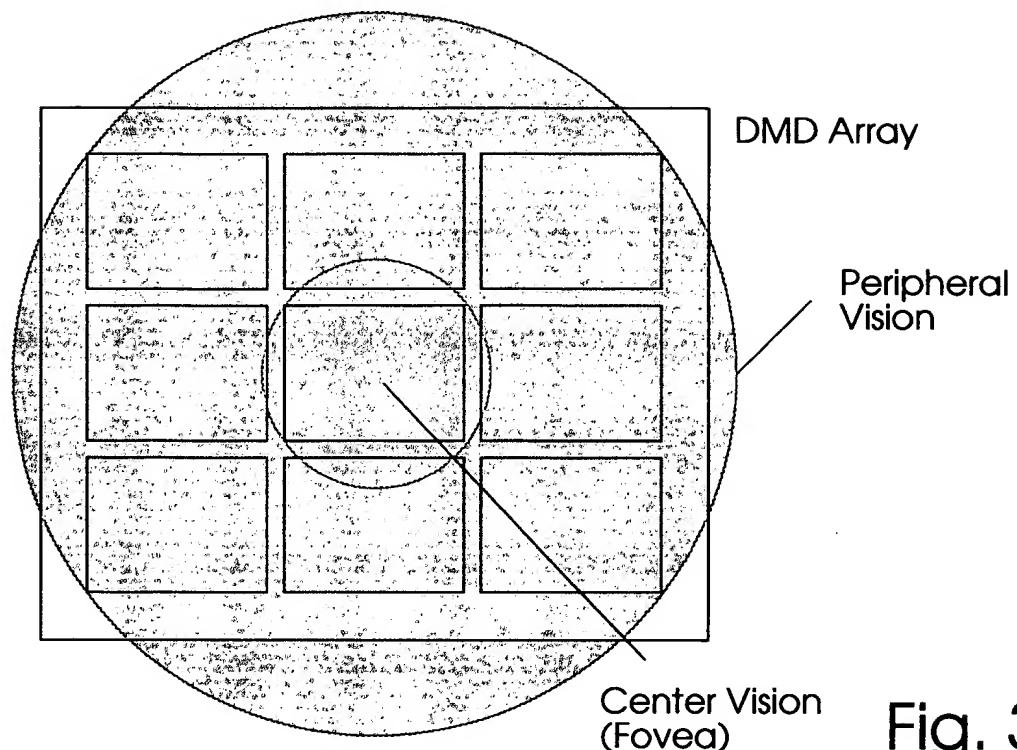


Fig. 35

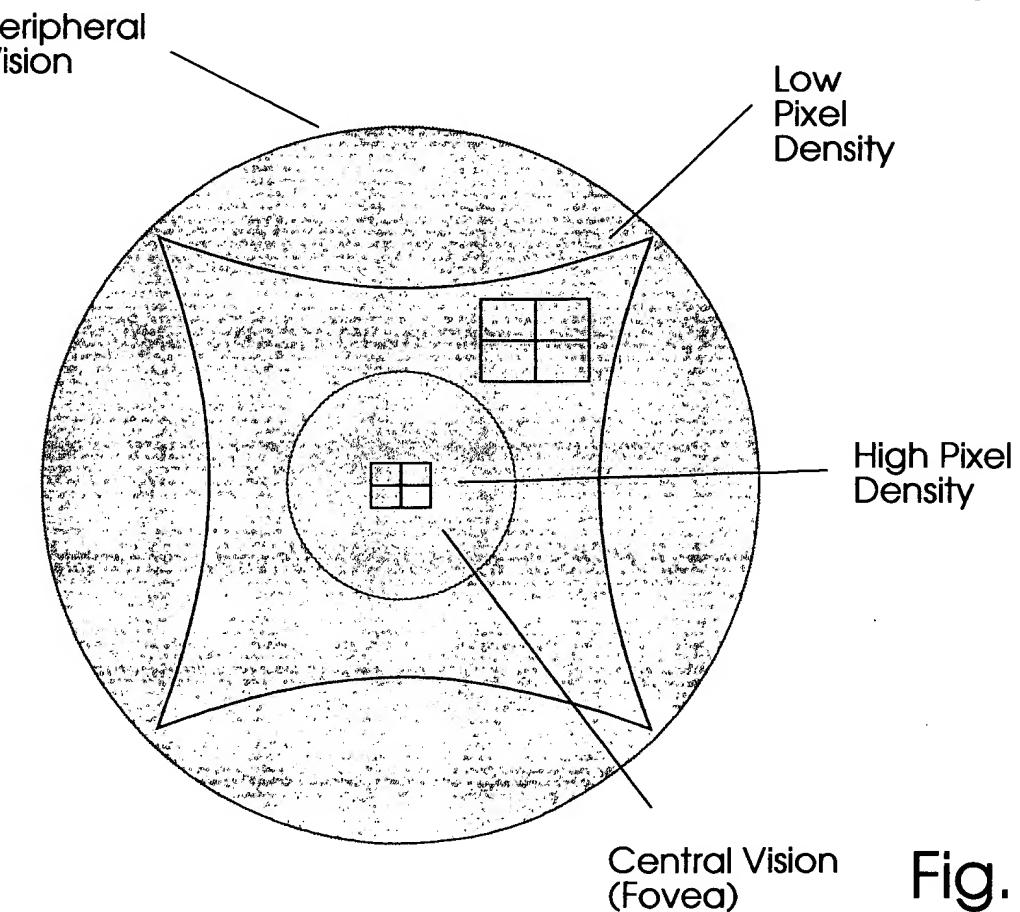


Fig. 36

Colour space comparison

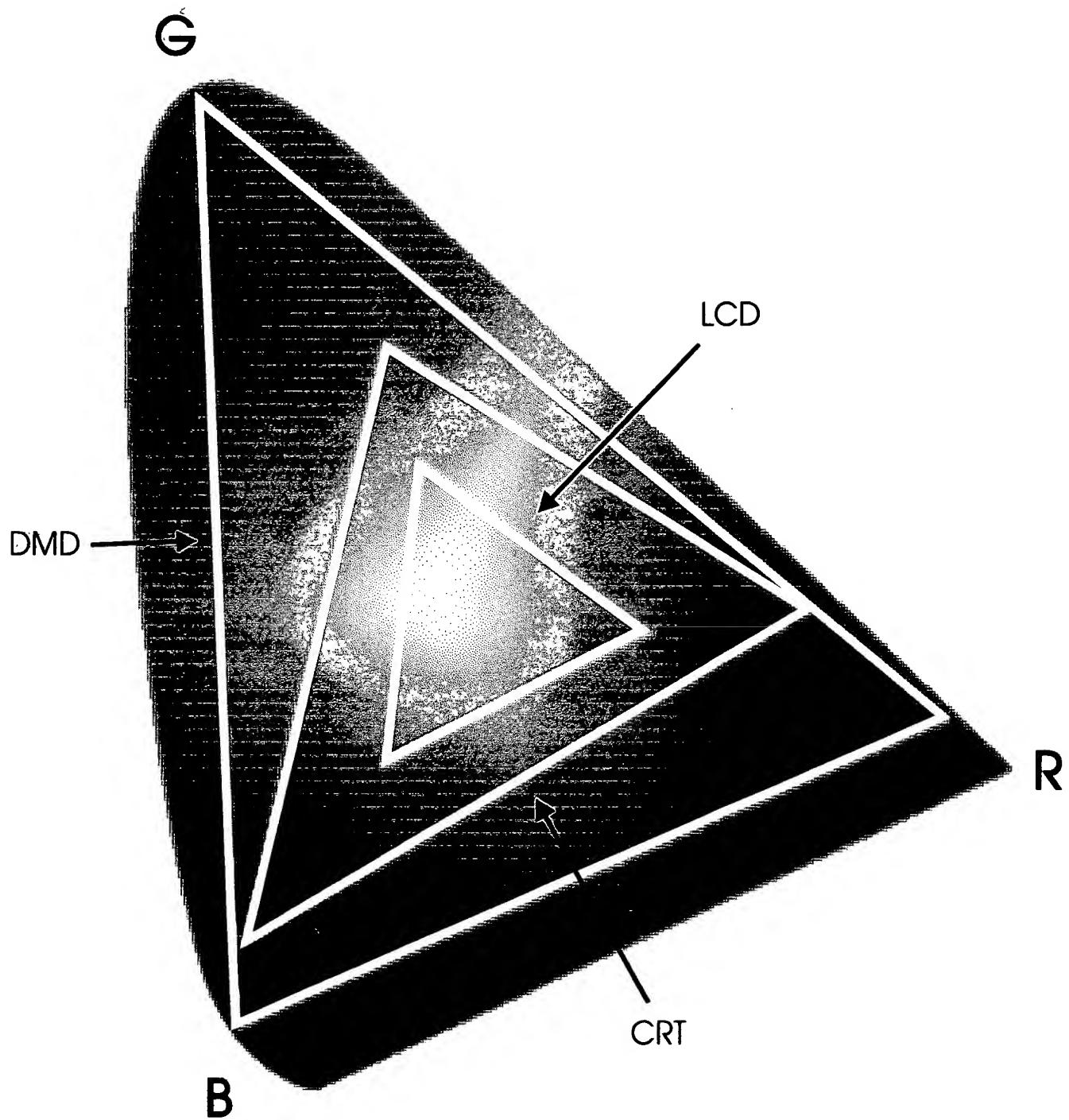


Fig. 37